

# INDEX TO SCIENTIFIC NAMES 1951, NOS. 1-4

New names and their principal references are printed in bold face type

- abildgaardi, *Sparisoma*, 163
- abnormis, *Dermatemys*, 59
- Abudeiduf *biocellatus*, 208
- Acantharchus pomotis*, 302
- Achirus lineatus*, 245
- Acipenser oxyrhynchus*, 290
- Acris*, 71
  - crepitans*, 71, 178
  - blanchardi*, 71
  - gryllus*, 71
- aculeatus*, *Gasterosteus*, 148
- acuminatus*, *Pareques acuminatus*, 245-46
- Acyrtops*, 244**
  - beryllinus*, 244
- Acyrtus*, 244
- adamanteus*, *Crotalus*, 79, 182
- Adelphicos quadrivirgatus visoninus*, 58
- advena*, *Nymphaea*, 302
- aepypterus*, *Eudontomyzon*, 302
- aestivus*, *Opheodrys*, 79
- affinis*, *Gambusia*, 148-49, 151
  - Pituophis catenifer*, 182
- Agalychnis callidryas*, 57
  - dacnicolor*, 73
  - helenae*, 57
- agilis*, *Lacerta*, 241
- Agkistrodon contortrix laticinctus*, 182
  - mokeson*, 182
  - piscivorus*, 182
- agnostus*, *Lycodes*, 291
  - Lycodes turneri*, 291
- agua-bonita*, *Salmo*, 143
- albilabris*, *Leptodactylus*, 62, 64-66
- alepidotus*, *Peprilus*, 88
- alletteratus*, *Euthynnus*, 35-36, 98
  - Euthynnus alletteratus*, 98
- Alosa ohioensis*, 83
- alpinus*, *Salvelinus*, 91-92
- altavela*, *Gymnura*, 88
- altissimus*, *Liolaemus altissimus*, 241
- amaura*, *Lampropeltis dolia*, 182
- Ambystoma*, 82, 277, 280
  - annulatum*, 82
  - macroductylum*, 307
  - maculatum*, 81
  - opacum*, 309
  - tigrinum nebulosum*, 240
- Ameiurus*, 12-14
  - natalis*, 302
  - nebulosus nebulosus*, 302
- americana*, *Morone*, 29, 203
- americanus*, *Ammodytes*, 90
  - Esox*, 302
- Amia calva*, 45
- Ammodytes americanus*, 90
- Amphiuma*, 46
  - means*, 45
  - tridactylum*, 45, 49
- amplipinnis*, *Caristioides*, 157
- Amyda emoryi*, 314
- andersoni*, *Hyla*, 179
- Aneides*, 76
- Anguilla*, 201
  - rostrata*, 173, 302
- angulifer*, *Epicrates*, 182
- annectens*, *Pituophis catenifer*, 182
- annularis*, *Pomacanthus*, 88-89
- annulata*, *Boa*, 182
  - Lampropeltis dolia*, 182
- annulatum*, *Ambystoma*, 82
- annulatus*, *Pomacentrus*, 208
  - Tropidodipsas sartorii*, 61
- Anolis bransfordi*, 58
  - capito*, 57-59
  - carneus*, 59
  - carolinensis*, 79
  - humilis uniformis*, 60
  - intermedius*, 57
  - longipes*, 57
  - nannodes*, 57
  - panamensis*, 56
  - petersii bivittatus*, 59
  - sulcifrons*, 56
- Antrozous pallidus*, 80
- Aphredoderus sayanus sayanus*, 302
- apiatus*, *Micrurus affinis*, 59
- archidium*, *Elattarchus*, 205-207
  - Odontoscion*, 205-206
- Arcos*, 244
  - macrophthalmus*, 244
- arenaria*, *Mya*, 90
- arenarius*, *Catostomus*, 299-300
- areolata*, *Geoemyda*, 60
- argentivittatus*, *Neothunnus*, 248
- Aristelliger*, 212
  - praesignis*, 211
- arizonae*, *Xantusia*, 180
- armatum*, *Grammonus*, 157
- Arripis trutta*, 303
- Artemia*, 17
- Arusetta*, 89
- Ascapus truei montanus*, 308
- asfur*, *Chaetodon*, 89
- asper*, *Nephrurus*, 212
- atchafalaya*, *Signalosa petenensis*, 297
- ater*, *Grammonus*, 157
- atlanticus*, *Lycodes turneri*, 291
  - Parathunnus*, 35, 248
- atra*, *Holothuria*, 175
  - Naja naja*, 182

- atraquae, *Hololepis fusiformis*, 301-302  
 atrox, *Crotalus*, 182, 311  
 augusti, *Eleutherodactylus*, 271-72  
 aurata, *Eutaenia*, 140  
 auritus, *Lepomis*, 302  
 aurolioralis, *Euthynnus*, 98  
 aurora, *Rana*, 81, 264  
     *Rana aurora*, 81  
 australis, *Odontoscion*, 205-207  
 Auxis thazard, 88  
  
 baconi, *Cyprinodon*, 95  
 Bagre marinus, 13  
 baileyi, *Crotaphytus collaris*, 311  
 bairdi, *Cottus bairdi*, 292  
 Bairdiella, 205-206  
 bairdii, *Cottus*, 292  
 balfouri, *Eremias olivieri*, 276  
 Balistes carolinensis, 298  
 balteatus, *Richardsonius*, 187-91, 193-94  
     *Richardsonius balteatus*, 187, 194  
 barbouri, *Celestus*, 67-68  
     *Eunectes*, 182  
 Barringtonia, 175  
 Baecanion suboculare, 60  
 Basiliscus vittatus, 80  
 basiliscus, *Crotalus basiliscus*, 182  
 Batrachoseps, 75-76  
 baudinii, *Smilisca*, 73  
 bauri, *Terrapene carolina*, 79  
 belli, *Chrysemys picta*, 307  
 bernardini, *Catostomus*, 299  
 beryllinus, *Acyrtops*, 244  
     *Gobiesox*, 244  
     *Rimicola*, 244  
 bicolor, *Loxocemus*, 59  
 bifrenatus, *Notropis*, 85  
 biocellatus, *Abudefduf*, 208  
 bislineata, *Eurycea bislineata*, 181  
 bispinosus, *Centropyge*, 208  
 bivittatus, *Anolis petersii*, 59  
     *Halichoeres*, 163  
     *Python molurus*, 182  
 bizona, *Erythrolamprus*, 56  
 blairi, *Lampropeltis*, 313  
 blanchardi, *Acris crepitans*, 71  
 blandingii, *Cambarus*, 46  
 Boa annulata, 182  
     *enydris cooki*, 182  
 bocourti, *Bufo*, 134-35, 220-28  
 Boiga dendrophila, 182  
 Boleichthys erochrous, 301  
 Boleosoma nigrum nigrum, 99  
     *olmstedii*, 202  
 Bolitoglossa, 75-76  
 bolivari, *Eleutherodactylus*, 271  
 Bombina, 74  
     *variegata*, 227  
 Bombinator pachypus, 227  
 boreas, *Bufo*, 240  
     *Bufo boreas*, 308  
 Boreogadus saida, 290  
 Bothragonus, 102  
     *swani*, 102  
 Bothrops schlegelii, 56  
 bowringi, *Hemidactylus*, 211  
  
 bransfordi, *Anolis*, 58  
 brevifolia, *Yucca*, 115  
 Brevoortia tyrannus, 93, 298  
 brocki, *Chilorhinus*, 195, 196-98  
 bronni, *Plastoseryx*, 59  
 Brookesia, 1  
 brooksi, *Lampropeltis doliata*, 182  
 Bufo, 65, 73-74, 220, 224, 227, 230, 233-35  
     *bocourti*, 134-35, 220-28  
     *boreas*, 240  
         *boreas*, 308  
     *bufo*, 224  
     *californicus*, 179  
     *coccifer*, 57  
     *cognatus*, 233  
     *compactilis*, 233  
     *fastidiosus*, 134-35  
         *gemmifer*, 73  
     *intermedius*, 135  
     *marinus*, 220-28  
     *marmoreus*, 73  
     *mazatlanensis*, 73  
     *monksae*, 135  
     *nayaritensis*, 73-74  
     *perplexus*, 73  
     *praevius*, 230, 231-32, 234  
     *simus*, 56, 134-37  
     *terrestris*, 78, 233  
         *terrestris*, 231  
     *valliceps*, 78, 233  
     *woodhousii fowleri*, 78  
 bufo, *Bufo*, 224  
  
 cactorum, *Eleutherodactylus*, 271  
 Calanus finmarchicus, 165  
 californiae, *Lampropeltis getulus*, 182  
 californicus, *Bufo*, 179  
     *Hylorhinus*, 278-79, 283  
     *Mustelus*, 278-79  
 callarias, *Gadus*, 84, 290  
 callidryas, *Agalychnis*, 57  
 calligaster, *Coluber*, 43  
     *Scotophis*, 43  
 Callinectes danae, 101  
     *sapidus*, 298  
 Callopeltis emoryi, 43  
 calva, *Amia*, 45  
 Calyptocephalus gayi, 66  
 Cambarus, 178  
     *blandingii*, 46  
     *ludovicianus*, 46  
 canadus, *Rachycentron*, 101  
 Cancer magister, 249  
     *productus*, 249  
 Canthidermis, 245  
     *maculatus*, 246  
 capelli, *Lophotes*, 285  
 capito, *Anolis*, 57-59  
 Caranx sexfasciatus, 170  
 Carcharhinus, 101, 244  
     *longimanus*, 172  
 carcharias, *Carcharodon*, 249, 298  
 Carcharodon carcharias, 249, 298  
 Caristioides amplipinnis, 157

- careus, *Anolis*, 59  
*Rimicola*, 244  
*Sicyases*, 244  
*carolina*, *Terrapene carolina*, 312  
*carolinensis*, *Anolis*, 79  
*Balistes*, 298  
*carolinus*, *Prionotus*, 298  
*carri*, *Tropidodipsas*, 52  
*carvalhoi*, *Pipa*, 76  
*cascadae*, *Rana*, 81  
*castaneus*, *Ichthyomyzon*, 87  
*Casuarina*, 175  
*catenatus*, *Sistrurus*, 182  
*catenifer*, *Pituophis catenifer*, 182  
*Catervarius*, *Salmo*, 296  
*catervarius*, *Mallotus*, 296  
*catesbeiana*, *Rana*, 71-72, 224-25, 227  
*Catostomus*, 299-300  
*arenarius*, 299-300  
*bernardini*, 299  
*catostomus*, 171, 189-90  
*columbianus*, 299  
*insignis*, 299  
*latipinnis*, 299  
*macrocheilus*, 299  
*microps*, 299  
*occidentalis*, 299  
*oregonus*, 299  
*rimiculus*, 299  
*snyderi*, 299  
*sonorensis*, 299  
*syncheilus*, 299  
*tahoensis*, 299-300  
*wigginis*, 299  
*catostomus*, *Catostomus*, 171, 189-90  
*Celestus*, 67-68, 127  
*barbouri*, 67-68  
*crusculus*, 68  
*crusculus*, 67-68  
*cundalli*, 67  
*molesworthi*, 67-68  
*curtissi*, 68, 69  
*duquesneyi*, 67-68  
*impressus*, 68  
*maculatus*, 67  
*occiduus*, 67-68  
*hewardi*, 67-68  
*occiduus*, 68  
*plei*, 67  
*Centropyge bispinosus*, 208  
*cepedianus*, *Lophotus*, 285  
*cepedii*, *Lophotes*, 285  
*Cerapteris*, 304  
*cervus*, *Myliobatis*, 210  
*Chaetodon asfur*, 89  
*Chaetodon*, *Mesogonistius chaetodon*, 302  
*Chalcides ocellatus*, 241  
*chapmani*, *Taenioconger*, 33-34  
*Chara*, 187  
*Charina bottae utahensis*, 307  
*Cheilotrema saturnum*, 205  
*Chilomycterus schoepfii*, 298  
*Chlorohinus*, 195, 197, 199-200  
*brocki*, 195, 196-98  
*suensoni*, 195, 197  
*chinensis*, *Cynops*, 213-17  
*Gekko*, 211  
*chrysoceles*, *Hyla versicolor*, 71  
*Chrysemys picta belli*, 307  
*chrysochloris*, *Pomolobus*, 83  
*chrysops*, *Lepibema*, 95  
*chrysurus*, *Pomacanthus*, 89  
*Cichlasoma*, 8  
*cinerea*, *Hyla cinerea*, 79  
*cinereus*, *Plethodon cinereus*, 76  
*Cinosternum cobanum*, 59  
*clamitans*, *Rana*, 48, 72, 82, 236  
*Claudius pictus*, 59  
*Clupea harengus*, 15  
*Cnemaspis*, 212  
*Cnemidophorus decemlineatus*, 58  
*tigris tigris*, 311  
*cobanum*, *Cinosternum*, 59  
*coccifer*, *Bufo*, 57  
*cognatus*, *Bufo*, 233  
*Coleonyx*, 212  
*variegatus variegatus*, 211  
*coleonyx*, *Gymnodactylus*, 60  
*colias*, *Pneumatophorus*, 298  
*collaris*, *Tropidonotus*, 140  
*Coluber calligaster*, 43  
*constrictor priapus*, 79  
*emoryi*, 43  
*eques*, 138-39  
*guttatus*, 43  
*infernalis*, 260  
*laetus*, 42-43  
*rhinomegas*, 43  
*ordinatus*, 309-10  
*saurita*, 309-10  
*sirtalis*, 309-10  
*columbianus*, *Catostomus*, 299  
*compactilis*, *Bufo*, 233  
*concinna*, *Eutainia*, 264  
*concinus*, *Eutaenia sirtalis*, 264  
*Thamnophis sirtalis*, 264  
*confusus*, *Scotophis*, 41  
*Coniophanes imperialis imperialis*, 314  
*Constrictor constrictor constrictor*, 182  
*imperator*, 182  
*constrictor*, *Constrictor constrictor*, 182  
*cookei*, *Muraenichthys*, 199  
*cooki*, *Boa enydridis*, 182  
*cordata*, *Pontederia*, 302  
*cornutus*, *Notropis cornutus*, 85  
*Corvina*, 205  
*Coryphaena hippurus*, 88, 171-72  
*Corythomantis*, 74  
*Cottus bairdi bairdi*, 292  
*bairdi*, 292  
*Couesius plumbeus plumbeus*, 290  
*couperi*, *Drymarchon corias*, 77, 182  
*Cranophryne*, 134  
*Cranopsis fastidiosus*, 134  
*crassus*, *Epicrates cenchria*, 182  
*crepitans*, *Acris*, 71, 178  
*cristatus*, *Lophotes*, 285  
*Crotalus adamanteus*, 79, 182  
*atrox*, 182, 311  
*basiliscus basiliscus*, 182  
*durissus unicolor*, 182  
*horridus horridus*, 182

- mitchelli pyrrhus, 182  
 ruber ruber, 182  
 tortugensis, 182  
 viridis helleri, 182  
 viridis, 182  
 Crotaphytus collaris baileyi, 311  
 wislizeni wislizeni, 311  
 Croton, 175  
 crucifer, Hyla, 76  
 cruscus, Celestus, 68  
 Celestus cruscus, 67-68  
 Cryptobranchus, 244  
 crysoleucas, Notemigonus, 46  
 Notemigonus crysoleucas, 302  
 cundalli, Celestus cruscus, 67  
 curtissi, Celestus, 68, 69  
 curtus, Python curtus, 182  
 Cuvieri, Opisthognathus, 251  
 Cuvieri, Opisthognathus, 251  
 cyanogenys, Sceloporus, 79  
 cyanoguttatus, Herichthys cyanoguttatus, 297  
 cyclides, Thamnophis cyrtopsis, 139-40  
 Cynops chinensis, 213-17  
 Cynoscion nothus, 101  
 cyprinellus, Ictiobus, 295  
 Cyprinodon, 95-96  
 baconi, 95  
 variegatus, 176  
 Cypselurus heterurus, 36  
 cyrtopsis, Eutaenia, 138, 140  
 Eutaenia cyrtopsis, 140  
 Thamnophis, 139  
 Thamnophis cyrtopsis, 140  
 Thamnophis eques, 140  
 dacinicolor, Agalychnis, 73  
 danae, Callinectes, 101  
 davidianus, Megalobatrachus, 76, 179  
 decemlineatus, Cnemidophorus, 58  
 Dendroaspis viridis, 182  
 Dendrobates ignitus, 58  
 dendrophila, Boiga, 182  
 Derichthys, 201  
 Dermatemyx abnormis, 59  
 Derris, 175  
 deschauenseei, Eunectes, 182  
 Desmognathus, 76  
 fuscus, 75  
 ochrophaeus, 183  
 phoca, 183  
 quadramaculatus, 75, 183  
 Diaglena, 74  
 diaphana, Sternoptyx, 247  
 diaphanes, Raja, 169  
 Dicamptodon, 76  
 diego, Pneumatophorus, 170  
 Diemictylus viridescens, 244  
 louisianensis, 176  
 digueti, Taenioconger, 33-34  
 Disceus, 283  
 dorsalis, Eutaenia sirtalis, 264  
 drobachiensis, Strongylocentrotus, 176  
 Drymarchon corias couperi, 77, 182  
 melanurus, 77  
 dumerili, Seriola, 35  
 duquesneyi, Celestus, 67-68  
 ebraccata, Hyla, 58  
 Echelus, 195, 200  
 edwardsi, Psenes, 157, 159  
 egregius, Eumeces, 79  
 Richardsonius, 189  
 Elaphe, 39-42  
 emoryi, 43-44  
 emoryi, 43  
 intermontana, 43  
 guttata, 40  
 guttata, 182  
 laeta, 40-44  
 laeta, 44  
 obsoleta, 40-44  
 obsoleta, 182  
 quadrivittata, 182  
 vulpina vulpina, 309  
 Elattarchus archidum, 205-207  
 elegans, Ophisops, 275  
 Eleutherodactylus, 269  
 augusti, 271-72  
 bolivari, 271  
 cactorum, 271  
 laticeps, 268-73  
 latrans, 271  
 rugulosus, 268, 272  
 stantoni, 268-72  
 tarahumaraensis, 271  
 Emoia, 130  
 emoryi, Amyda, 314  
 Callopeltis, 43  
 Coluber, 43  
 Elaphe, 43-44  
 Elaphe emoryi, 43  
 Natrix, 43  
 Scotophis, 41-43  
 Emys venusta, 58  
 Engystomops, 233  
 Enneacanthus gloriosus, 302  
 obesus, 302  
 Ensatina, 76  
 Entosphenus lamottei, 173  
 lamottenii, 84  
 Epicrates angulifer, 182  
 cenchria crassus, 182  
 maurus, 182  
 striatus, 182  
 Epinephalus, 96  
 Epinnula magistralis, 301  
 orientalis, 301  
 eques, Coluber, 138-39  
 Thamnophis, 138-40  
 Thamnophis eques, 139-40  
 Tropidonotus ordinatus, 140  
 Eremias guttulata, 274-76  
 guttulata, 274  
 olivieri, 274  
 olivieri, 275-76  
 balfouri, 276  
 latasti, 276  
 martini, 275-76  
 schmidtii, 276  
 susana, 276  
 Ericymba, 96  
 Erimyzon oblongus oblongus, 302  
 erinacea, Raja, 169  
 Ernogrammus storoshi, 291

- erochrous, *Boleichthys*, 301  
     *Hololepis fusiformis*, 301-302  
*Erythrolamprus bizona*, 56  
*esculenta*, *Rana*, 227-28  
*Esox americanus*, 302  
     *niger*, 87, 302  
*Eublepharis*, 212  
*Eucastor*, 10  
*Eudontomyzon aepypterus*, 302  
*Eumeces*, 129-30  
     *egregius*, 79  
     *laticeps*, 127-28, 130  
     *septentrionalis septentrionalis*, 119  
     *taylori*, 314  
*Eumecichthys*, 286  
*Eumesogrammus praecisus*, 290  
*Eunectes barbouri*, 182  
     *deschauenseei*, 182  
     *murina*, 182  
*Eupemphix*, 233  
*Euphorbia*, 175  
*Eurycea bislineata bislineata*, 181  
     *rivicola*, 181  
     *lucifuga*, 243  
         *guttolineata*, 75  
*Eutaenia aurata*, 140  
     *cyrtopsis*, 138, 140  
         *cyrtopsis*, 140  
         *ocellatus*, 140  
         *flavilabris*, 139  
         *imperialis*, 260  
         *infernalis*, 260, 264  
         *insigniarum*, 139  
         *macrostemma*, 139  
         *megalops*, 139  
         *pulchrilatus*, 140  
         *sirtalis*, 258, 264  
             *concinus*, 264  
             *dorsalis*, 264  
             *infernalis*, 264  
             *obscura*, 264  
             *parietalis*, 264  
             *pickeringii*, 264  
             *sirtalis*, 264  
             *tetrataenia*, 257-58, 260, 264  
             *subcarinata*, 139  
*Eutania concinna*, 264  
     *Pickeringii*, 264  
*Euthynnus alletteratus*, 35-36, 98  
     *alletteratus*, 98  
     *aurolitoralis*, 98  
*Euxiphipops*, 88-89  
*exasperata*, *Zapteryx*, 278-79, 281  
  
*fabricii*, *Liparis*, 292  
*fasciata*, *Virginia*, 60  
*fasciatus*, *Nodogymnus*, 245  
     *Trinectes maculatus*, 245  
*fastidiosus*, *Bufo*, 134-35  
     *Cranopsis*, 134  
     *feliceps*, *Tachysurus*, 210  
     *felis*, *Galeichthys*, 13, 101  
     *finmarchicus*, *Calanus*, 165  
     *fischeri*, *Tropidodipsas*, 52, 60  
     *fiskei*, *Lophotes*, 285  
     *fiski*, *Lophotes*, 285  
         *Lophotus*, 286  
     *fitchi*, *Thamnophis sirtalis*, 264, 265-66  
     *flavescens*, *Kinosternon*, 50  
         *Kinosternon flavescens*, 314  
         *Perca*, 99, 149, 302  
     *flavilabris*, *Eutaenia*, 139  
     *flavomaculatum*, *Lepidophyma flavomaculatum*, 60  
     *floridana*, *Rhineura*, 177  
     *floridanus*, *Micropterus salmoides*, 94  
     *fodiens*, *Pternohyla*, 73-74  
     *foetens*, *Synodus*, 88  
     *folium*, *Polyodon*, 252  
     *fontinalis*, *Salvelinus*, 141, 148, 171, 300  
     *fossor*, *Ichthyomyzon*, 84  
     *fowleri*, *Bufo woodhousii*, 78  
     *fukienensis*, *Rana*, 120-22, 124-26  
         *Rana plancyi*, 123, 126  
*Fundulus*, 176  
     *heteroclitus*, 28, 149, 203  
     *majalis*, 28, 176  
     *furcatus*, *Ictalurus*, 11-14  
     *fuscus*, *Desmognathus*, 75  
     *fusiformis*, *Hololepis*, 301-302  
  
*Gadus callarias*, 84, 290  
*gagai*, *Ichthyomyzon*, 87  
*Galeichthys felis*, 13, 101  
*Gambusia*, 95-96, 149-51, 176  
     *affinis*, 148-49, 151  
*garrulus*, *Ptenopus*, 212  
*Gasterosteus aculeatus*, 148  
*Gastrotheca*, 66  
*gayi*, *Calyptocephalus*, 66  
*gecko*, *Gekko*, 80  
*Gehyra*, 212  
     *mutilata*, 211  
*Gekko*, 212  
     *chinensis*, 211  
     *gecko*, 80  
*gemmifer*, *Bufo*, 73  
*Geomyda areolata*, 60  
*Gerrhonotus coerules principis*, 307  
*gibbosus*, *Lepomis*, 302  
*glauca*, *Prionace*, 297  
*gloriosus*, *Enneacanthus*, 302  
*glutinosa*, *Myxine*, 84  
*glutinosus*, *Plethodon glutinosus*, 75-76  
*Gobiesox beryllinus*, 244  
*Gorgasia*, 34  
     *naeocephalus*, 34  
     *punctata*, 34  
*Grammonoides*, 157  
     *opisthodon*, 157  
*Grammonus*, 157  
     *armatum*, 157  
     *ater*, 157  
     *mowbrayi*, 153, 154, 155-57  
     *opisthodon*, 157  
     *robustus*, 154, 157  
     *granulatus*, *Hoplodactylus*, 211-12  
     *Gryllotalpa*, 46-48  
     *gryllus*, *Acris*, 71  
     *guatemalensis*, *Ungaliophis*, 182  
     *guntheri*, *Lophotes*, 285  
     *guttata*, *Elaphe*, 40  
         *Elaphe guttata*, 182  
     *guttatus*, *Coluber*, 43

- Scotophis, 41  
 guttolineata, Eurycea lucifuga, 75  
 guttulata, Eremias, 274-76  
   Eremias guttulata, 274  
 Gymnodactylus, 212  
   coleonyx, 60  
   platurus, 212  
   scapularis, 60  
 Gymnura altavela, 83  
   marmorata, 278-79, 283  
 Gyraulus, 189  
 Gyrinophilus, 76
- Haemulon, 95  
 Halichoeres, 162  
   bivittatus, 163  
 halleri, Urobatis, 278-79, 282-83  
 hannah, Ophiophagus, 182  
 harengus, Clupea, 15  
 helenae, Agalychnis, 57  
 Helicops schistosus, 182  
 helleri, Crotalus viridis, 182  
 Hemidactylum, 76  
 Hemidactylus, 212  
   bowringi, 211  
   turcicus turcicus, 311  
 Hemitheconyx, 212  
 henshawii, Xantusia, 180  
 Herichthys cyanoguttatus cyanoguttatus, 297  
 herrei, Taenioconger, 33-34  
 hertzbergi, Selenaspis, 13  
 heteroclitus, Fundulus, 28, 149, 203  
 Heteropyge, 89  
 heterus, Cypselurus, 36  
 hewardi, Celestus occiduus, 68  
 Hippoglossoides platessoides, 293  
 Hippoglossus hippoglossus, 293  
 hippoglossus, Hippoglossus, 293  
 hippurus, Coryphaena, 88, 171-72  
 hirtipes, Kinosternon, 50-52  
 Holacanthus xanthurus, 89  
 Holbrookia maculata maculata, 314  
 Hololepis, 301-302  
   fusiformis, 301-302  
   atracuata, 301-302  
   erocrous, 301-302  
 Holorhinus californicus, 278-79, 283  
 Holothuria, 175  
   atra, 175  
 Hoplodactylus, 118, 212  
   granulatus, 211-12  
   maculatus, 212  
   pacificus, 212  
 horrida, Synanceja, 210  
 horridus, Crotalus horridus, 182  
 hydrophlox, Richardsonius balteatus, 188  
 Hyla andersoni, 179  
   cinerea cinerea, 79  
   crucifer, 76  
   ebraccata, 58  
   regilla, 78, 179, 308  
   squirella, 79  
   versicolor, 71  
   chrysocellus, 71  
   versicolor, 71  
 Hylodes laticeps, 268
- Hypsiglena, 117
- Ichthyomyzon, 87  
   castaneus, 87  
   fossor, 84  
   gagci, 87  
   unicuspis, 84  
 Ictalurus, 8, 13  
   furcatus, 11-14  
   lacustris, 12-14  
   lacustris, 11  
   lambda, 8, 10, 11, 14  
 Ictiobus, 295  
   cyprinellus, 295  
 idahoensis, Plethodon, 75-76  
 ignitus, Dendrobates, 58  
 imperator, Constrictor constrictor, 182  
   Pomacanthus, 89  
 imperialis, Coniophanes imperialis, 314  
   Eutaenia, 260  
   Luvatus, 172  
 impressus, Celestus, 68  
 infernalis, Coluber, 260  
   Eutaenia, 260, 264  
   Eutaenia sirtalis, 264  
   Thamnophis ordinatus, 260  
   Thamnophis sirtalis, 257, 259-65  
   Tropidonotus ordinatus, 260, 264  
 insigniarum, Eutaenia, 139  
 insignis, Catostomus, 299  
 intermedia, Siren intermedia, 178  
 intermedius, Anolis, 57  
   Bufo, 135  
 intermontana, Elaphe emoryi, 43  
 irideus, Salmo gairdneri, 148
- japonicus, Megalobatrachus, 179  
 jordani, Plethodon, 76
- Kaupichthys, 195, 197, 199-201  
 kincaidi, Raja, 86  
 Kinosternon, 50  
   flavescens, 50  
   flavescens, 314  
   hirtipes, 50-52  
   murrayi, 50, 51  
   sonoriense, 50  
 koefoedi, Liparis, 292-93  
 kuhli, Rana, 66
- labialis, Leptodactylus, 66, 314  
 labiatus, Oxygadus, 153-54  
 lacepede, Lophotus, 285  
 lacepedei, Lophotus, 285-87  
 lacepedianus, Lophotus, 285  
 Lacerta agilis, 241  
   muralis, 241  
   olivieri, 274  
   turcica, 311  
   viridis, 241  
   vivipara, 241  
 Lachnolaimus, 96  
 lactea, Stenorrhina freminivillii, 58  
 lacustris, Ictalurus, 12-14  
   Ictalurus lacustris, 11  
 laeta, Elaphe, 40-44

- Elaphe laeta*, 44  
*laetus*, *Coluber*, 42-43  
*Scotophis*, 39-44  
*laevis*, *Phoxinus*, 149  
*lambda*, *Ictalurus*, 8, 10, 11, 14  
*lamottei*, *Entosphenus*, 173  
*lamottenii*, *Entosphenus*, 84  
*Lampropeltis*, 313  
     *blairi*, 313  
     *doliata amaura*, 182  
         *annulata*, 182  
     *getulus brooksi*, 182  
         *californiae*, 182  
         *zonata multicincta*, 182  
*latasti*, *Eremias olivieri*, 276  
*laterale*, *Leiopisma*, 46-47  
*lateralis*, *Tretanorhinus nigroleuteus*, 59  
*laticeps*, *Eleutherodactylus*, 268-73  
     *Eumeces*, 127-28, 130  
     *Hylodes*, 268  
*laticinctus*, *Agkistrodon contortrix*, 182  
*latipinnis*, *Catostomus*, 299  
*latrans*, *Eleutherodactylus*, 271  
*Lebistes*, 304  
     *reticulatus*, 149, 151, 304  
*Leiopisma laterale*, 46-47  
*Leiostomus xanthurus*, 28-29  
*Lemna*, 187  
*Lepibema chrysops*, 95  
*Lepidophyma flavomaculatum flavomaculatum*, 60  
*Lepomis auitus*, 302  
     *gibbosus*, 302  
     *macrochirus macrochirus*, 302  
*Leptodactylus*, 62, 65  
     *albilabris*, 62, 64-66  
     *labialis*, 66, 314  
     *melanonotus*, 58, 62-66  
     *ocellatus*, 62-63, 66  
*Leptodeira annulata polysticta*, 74  
*Leptognathus semicinctus*, 59  
*Leptopus*, 285  
     *peregrinus*, 285-86  
*Lestidium (Bathysudis) parri*, 296  
*Leuroglossus stilbius*, 86  
*lewisi*, *Salmo clarki*, 143  
*Lichanura roseofusca roseofusca*, 182  
*linearis*, *Urosaurus ornatus*, 311  
*lineatus*, *Achirus*, 245  
*Liolaemus*, 241  
     *altissimus altissimus*, 241  
*Liparis fabricii*, 292  
     *koefoedi*, 292-93  
     *liparis liparis*, 292  
         *major*, 292  
         *major*, 292  
*liparis*, *Liparis liparis*, 292  
*Loligo*, 101  
     *pealei*, 297  
     *longicaudus*, *Microtis*, 307  
     *longimanus*, *Carcharhinus*, 172  
         *Squalus*, 244  
     *longipes*, *Anolis*, 57  
*Lophotes*, 285  
     *capelli*, 285  
     *cepedii*, 285  
     *cristatus*, 285  
     *fiskei*, 285  
     *fiski*, 285  
     *guntheri*, 285  
     *machadoi*, 285  
     *siculus*, 285  
*Lophotus*, 285-87  
     *cepedianus*, 285  
     *fiski*, 286  
     *lacepede*, 285  
     *lacepedei*, 285-87  
     *lacepedianus*, 285  
     *siculus*, 286  
*louisianensis*, *Diemictylus viridescens*, 176  
     *Triturus viridescens*, 178  
*Loxocemus bicolor*, 59  
*Lucania*, 176  
     *parva*, 176  
*lucifuga*, *Eurycea*, 243  
*ludovicianus*, *Cambarus*, 46  
*Lumpenus medius*, 291  
*lumpi*, *Sphyrion*, 97-98  
*luteiventris*, *Rana pretiosa*, 81  
*Lutjanus*, 95  
*Luvarus imperialis*, 172  
*Lycodapus mandibularis*, 86  
*Lycodes agnostus*, 291  
     *turneri*, 291  
         *agnostus*, 291  
         *atlanticus*, 291  
     *vahllei*, 291  
*Lycosa*, 177  
*Lygodactylus*, 212  
  
*Mabuya*, 130  
*machadoi*, *Lophotes*, 285  
*macrocheilus*, *Catostomus*, 299  
*macrochirus*, *Lepomis macrochirus*, 302  
*macroactylum*, *Ambystoma*, 307  
*macrophthalmus*, *Arcos*, 244  
*macrostemma*, *Eutaenia*, 139  
     *Thamnophis*, 139  
     *Thamnophis macrostemma*, 139  
*Macrourus occa*, 153  
*maculata*, *Holbrookia maculata*, 314  
*maculatum*, *Ambystoma*, 81  
*maculatus*, *Canthidermis*, 246  
     *Celestus*, 67  
     *Hoplodactylus*, 212  
     *Platyopocilus*, 15-16, 24, 27  
     *Scomberomorus*, 88, 101  
     *Sphoeroides*, 298  
*maculosus*, *Pomacanthus*, 89  
*magister*, *Cancer*, 249  
     *Sceloporus magister*, 311  
*magistralis*, *Epinnula*, 301  
*majalis*, *Fundulus*, 128, 176  
*major*, *Liparis*, 292  
     *Liparis liparis*, 292  
*Makaira mitsukurii*, 303  
*Mallotus*, 296  
     *catervarius*, 296  
     *villosus socialis*, 296  
*malma*, *Salvelinus*, 296  
*Manculus*, 76  
*mandibularis*, *Lycodapus*, 86  
*Manta*, 284  
*marinus*, *Bagre*, 13



- Bufo, 220-28  
 Petromyzon, 84, 173  
 Sebastes, 97  
 marmorata, Gymnura, 278-79, 283  
 marmoreus, Bufo, 73  
 martini, Eremias olivieri, 275-76  
 Masticophis flagellum piceus, 182  
   testaceous, 182  
 mauretanicus, Tarentola, 212  
 maurus, Epicrates cenchria, 182  
 mazatlanensis, Bufo, 73  
 means, Amphiuma, 45  
 medius, Lumpenus, 291  
 Megalobatrachus, 179-80  
   davidianus, 76, 179  
   japonicus, 179  
 megalops, Eutaenia, 139  
   Thamnophis, 139-40  
   Thamnophis eques, 139-40  
   Thamnophis macrostemma, 139-40  
   Thamnophis subcarinata, 138, 140  
 melanoleuca, Naja, 182  
 melanoleucus, Pituophis melanoleucus, 182  
 melanonotus, Leptodactylus, 58, 62-66  
 melanurus, Drymarchon corias, 77  
 Merluccius productus, 249  
 merriami, Sceloporus, 313  
 Mesogonistius chaetodon chaetodon, 302  
 metcalfi, Plethodon, 76  
 Micropogon undulatus, 29, 101  
 microps, Catostomus, 299  
 Micropterus salmoides, 203  
   floridanus, 94  
   salmoides, 302  
 Microtus, 240  
   longicaudus, 307  
 Micrurus affinis apiatus, 59  
 mitsukurii, Makaira, 303  
 mokeson, Agkistrodon contortrix, 182  
 Mola mola, 298  
 mola, Mola, 298  
 molesworthi, Celestus cruscus, 67-68  
 Mollienesia, 304  
 mollis, Schilbeodes, 302  
 molurus, Python molurus, 182  
 monksae, Bufo, 135  
 montanus, Asaphus truei, 308  
 Morone americana, 29, 203  
 mowbrayi, Grammonus, 153, 154, 155-57  
 Mugil, 96  
   trichodon, 96  
 multicincta, Lampropeltis zonata, 182  
 Mundulea, 175  
 Muraenichthys, 195, 197, 199  
   cookei, 199  
 muralis, Lacerta, 241  
 murina, Eunectes, 182  
 murrayi, Kinosternon, 50, 51  
 Mustelus californicus, 278-79  
 mutilata, Gehyra, 211  
 Mya arenaria, 90  
 Myliobatis cervus, 210  
 Myriophyllum, 187  
 Myrus uropterus, 33  
 Myxine glutinosa, 84  
 naeocepaus, Gorgasia, 34  
 naeocepaus, Taenioconger, 32, 33-34  
 Naja melanoleuca, 182  
   naja, 182  
   atra, 182  
   nigricollis, 182  
   nivea, 182  
 naja, Naja, 182  
 namaycush, Salvelinus, 173  
 Nannippus, 10  
 nannodes, Anolis, 57  
 natalis, Ameiurus, 302  
 Natrrix, 79  
   emoryi, 43  
 nayaritensis, Bufo, 73-74  
 nebulosum, Ambystoma tigrinum, 240  
 nebulosus, Ameiurus nebulosus, 302  
 Neothunnus argentivittatus, 248  
 Neotoma, 116  
 Nephurus, 212  
   asper, 212  
 niger, Esox, 87, 302  
 nigriceps, Tantilla nigriceps, 242  
 nigricollis, Naja, 182  
 nigromaculata, Rana, 120, 122, 126  
 nigo-maculatus, Pomoxis, 94  
 nigromaculatus, Pomoxis, 203-204, 302  
 nigrum, Boleosoma nigrum, 99  
 nivea, Naja, 182  
 Nodogymnus, 245  
   fasciatus, 245  
   williamsoni, 245  
 Notemigonus crysoleucas, 46  
   crysoleucas, 302  
 nothus, Cynoscion, 101  
 Notropis bifrenatus, 85  
   cornutus cornutus, 85  
 nybelini, Triglops, 293  
 Nymphaea advena, 302  
 obesus, Enneacanthus, 302  
 oblongus, Erimyzon oblongus, 302  
 obscura, Eutaenia sirtalis, 264  
 obsoleta, Elaphe, 40-44  
   Elaphe obsoleta, 182  
 occa, Macrourus, 153  
   Oxygadus, 153-54  
 occidentalis, Catostomus, 299  
 occiduus, Celestus, 67-68  
   Celestus occiduus, 68  
 ocellata, Eutaenia cyrtopsis, 140  
 ocellatus, Chalcides, 241  
   Leptodactylus, 62-63, 66  
 Odontoscion, 206-207  
   archidium, 205-206  
   australis, 205-207  
   xanthops, 207  
 ohiensis, Alosa, 83  
 olivaceus, Sceloporus, 313  
 olivaris, Pilodictis, 11  
 olivieri, Eremias, 275-76  
   Eremias guttulata, 274  
   Eremias olivieri, 276  
   Lacerta, 274  
 olmstedii, Boleosoma nigrum, 302  
 Oncorhynchus, 145  
 opacum, Ambystoma, 309  
 Ophiophagus hannah, 182



- Opheodrys aestivus, 79  
Ophisaurus ventralis, 79  
Ophisops elegans, 275  
opisthodon, Grammonoides, 157  
Grammonus, 157  
Opisthognathus Cuvierii, 251  
cuvieri, 251  
ordinatus, Coluber, 309-10  
Thamnophis, 260, 310  
ordinoides, Thamnophis, 53  
oregonensis, Ptychocheilus, 189  
oregonus, Catostomus, 299  
orientalis, Epinnula, 301  
ornata, Rhynchoedura, 212  
Terrapene, 312, 314  
Orodinus, 285  
Oxygadus labiatus, 153-54  
occa, 153-54  
talismani, 153  
oxyrhynchus, Acipenser, 290
- pachypus, Bombinator, 227  
pacificus, Hoplodactylus, 211  
pallidus, Antrozous, 80  
panamensis, Anolis, 56  
Papyrichthys, 158  
pellucidus, 153, 157, 159-61  
Parathunnus atlanticus, 35, 248  
Pareques, 245  
acuminatus acuminatus, 245-46  
umbrosus, 245-46  
parietalis, Eutaenia sirtalis, 264  
Thamnophis, 260, 264  
Thamnophis sirtalis, 264  
Thamnophis ordinatus, 306, 314  
Tropidonotus sirtalis, 260  
parkeri, Sphaerodactylus, 211  
parri, Lestidium (Bathysudis), 296  
parva, Lucania, 176  
pealei, Loligo, 297  
pellucidus, Papyrichthys, 153, 157, 159-61  
Psenes, 157-58  
Pelobates, 74  
Peprilus alepidotus, 88  
Perca flavescens, 99, 149, 302  
peregrinus, Leptopus, 285-86  
perplexus, Bufo, 73  
peruvianus, Tropidurus, 305  
Petromyzon marinus, 84, 173  
Phelsuma, 212  
phoca, Desmognathus, 183  
Phoxinus laevis, 149  
Phyllodactylus, 212  
tuberculosus, tuberculosus, 211  
Physa, 17  
Physella, 189  
piceus, Masticophis flagellum, 182  
pickeringi, Thamnophis ordinatus, 54  
Pickeringii, Eutainia, 264  
pickeringii, Eutainia sirtalis, 264  
pictus, Claudius, 59  
pileolus, Toxopneustes, 176  
Pilodictis, 12-14  
olivaris, 11  
pingeli, Triglops, 293  
Pipa carvalhoi, 76  
pipiens, Rana, 45, 72, 82, 124, 126, 178, 224, 240, 308  
piscivorus, Agkistrodon, 182  
Pituophis catenifer affinis, 182  
annectens, 182  
catenifer, 182  
melanoleucus melanoleucus, 182  
plancyi, Rana, 120-22, 124-26  
planiceps, Tantilla, 242  
Planorbis, 17  
Plastoseryx, bronni, 59  
platessoides, Hippoglossus, 293  
platurus, Gymnodactylus, 212  
Platyopocilus, 17-21, 304  
maculatus, 15-16, 24, 27  
plei, Celestus, 67  
Plethodon, 75  
cinereus cinereus, 76  
glutinosus glutinosus, 75-76  
idahoensis, 75-76  
jordani, 76  
metcalfi, 76  
vehiculum, 76  
wehrlei, 76  
welleri, 76  
yonahlossee, 75-76  
plumbeus, Couesius plumbeus, 290  
Pneumatophorus colias, 298  
diego, 170  
Podoleptus, 285  
poecilonotus, Pseustes poecilonotus, 58  
Polyodon, 102, 252  
folium, 252  
spathula, 102, 252, 295  
polysticta, Leptodeira annulata, 74  
Pomacanthus, 88  
annularis, 88-89  
chrysurus, 89  
imperator, 89  
semicirculatus, 89  
Pomacentrus, annulatus, 208  
Pomelobus chrysochloris, 83  
pomotis, Acantharchus, 302  
Pomoxis nigro-maculatus, 94  
nigromaculatus, 203-204, 302  
Pontederia cordata, 302  
postremus, Thamnophis cyrtopsis, 140  
praecisus, Eumesogrammus, 290  
praeocularis, Thamnophis sumichrasti, 59  
praesignis, Aristelliger, 211  
praestans, Thalerophis, 60  
praevisus, Bufo, 230, 231-32, 234  
pretiosa, Rana, 81  
Rana pretiosa, 308  
priapus, Coluber constrictor, 79  
principis, Gerrhonotus coeruleus, 307  
Prionace glauca, 297  
Prionotus carolinus, 298  
productus, Cancer, 249  
Merluccius, 249  
Rhinobatos, 278-80  
Prosopium, 296  
cylindraceum quadrilaterale, 290  
Psenes edwardsi, 157, 159  
pellucidus, 157-58  
Pseudacris, 178  
nigrita triseriata, 178-79, 240

- Pseudemys floridana texana*, 314  
*scripta troosti*, 314  
*Pseudobranchius*, 244  
*Pseudotriton*, 76  
   *ruber*, 76  
*Pseustes poecilonotus poecilonotus*, 58  
*psittacus*, *Xyrichthys*, 162-63  
*Ptenopus*, 212  
   *garrulus*, 212  
*Pternohyla*, 74  
   *fodiens*, 73-74  
*Pterolamia*, 244  
*Pterolamiops*, 244  
*Ptychocheilus oregonensis*, 189  
*pulchrilatus*, *Eutaenia*, 140  
*punctata*, *Gorgasia*, 34  
*pyrrhus*, *Crotalus mitchelli*, 182  
*Python curtus curtus*, 182  
   *molurus bivittatus*, 182  
     *molurus*, 182  
     *reticulatus*, 182  
     *sebae*, 182  
*quadramaculatus*, *Desmognathus*, 183  
*quadrilaterale*, *Prosopium cylindraceum*, 290  
*quadriloba*, *Rhinoptera*, 100  
*quadramaculatus*, *Desmognathus*, 75  
*quadrivittata*, *Elaphe obsoleta*, 182  
  
*Rachycentron canadus*, 101  
*radiata*, *Raja*, 289  
*Raja diaphanes*, 169  
   *erinacea*, 169  
   *kincaidi*, 86  
   *radiata*, 289  
   *scabrata*, 169  
   *stabuliforis*, 169  
*Rana*, 65, 74, 227, 232, 234-35  
   *aurora*, 81, 264  
     *aurora*, 81  
     *cascadae*, 81  
     *catesbeiana*, 71-72, 224-25, 227  
     *clamitans*, 48, 72, 82, 236  
     *esculenta*, 227-28  
     *fukienensis*, 120-22, 124-26  
     *kuhli*, 66  
     *nigromaculata*, 120, 122, 126  
     *piapiens*, 45, 72, 82, 124, 126, 178, 224, 240, 308  
     *plancyi*, 120-22, 124-26  
     *fukienensis*, 123, 126  
   *pretiosa*, 81  
     *luteiventris*, 81  
     *pretiosa*, 308  
   *sylvatica*, 224  
     *sylvatica*, 183  
*regilla*, *Hyla*, 78, 179, 308  
*Regilophotes*, 285  
*reticulatus*, *Lebistes*, 149, 151, 304  
   *Python*, 182  
*Rhamdia*, 8, 12-14  
*Rhineura*, 177-78  
   *floridana*, 177  
*Rhinobatos*, 282  
   *productus*, 278-80  
  
*rhinomegas*, *Coluber*, 43  
*Rhinoptera quadriloba*, 100  
*Rhotropella*, 212  
*Rhotropus*, 212  
*Rhynchoedura*, 212  
   *ornata*, 212  
*Richardsonius*, 187-90  
   *balteatus*, 187-91, 193-94  
     *balteatus*, 187, 194  
     *hydrophlox*, 188  
   *egregius*, 189  
*Rimicola beryllinus*, 244  
   *carneus*, 244  
   *rubiginosus*, 244  
*rimiculus*, *Catostomus*, 299  
*riversiana*, *Xantusia*, 180  
*rivicola*, *Eurycea bislineata*, 181  
*robustus*, *Grammonus*, 154, 157  
*Roccus saxatilis*, 29  
*roseofusca*, *Lichanura roseofusca*, 182  
*rostrata*, *Anguilla*, 173, 302  
*ruber*, *Crotalus ruber*, 182  
   *Pseudotriton*, 76  
   *Spelerpes*, 76  
*rubiginosus*, *Rimicola*, 244  
   *Sicyases*, 244  
*rugosus*, *Trachysaurus*, 180  
*rugulosus*, *Eleutherodactylus*, 268, 272  
  
*sackenii*, *Thamnophis sirtalis*, 79  
*Sagittaria*, 17  
*saida*, *Boreogadus*, 290  
*salar*, *Salmo*, 145  
*Salmo*, 144  
   *agua-bonita*, 143  
   *Catervarius*, 296  
   *clarki lewisi*, 143  
   *gairdneri irideus*, 148  
   *salar*, 145  
   *trutta*, 145, 190  
*salmoides*, *Micropterus*, 203  
   *Micropterus salmoides*, 302  
*Salvelinus*, 296  
   *alpinus*, 91-92  
   *fontinalis*, 141, 148, 171, 300  
   *malma*, 296  
   *namaycush*, 173  
*salvini*, *Staurotypus*, 59  
*sapidus*, *Callinectes*, 298  
*Sarda sarda*, 35  
   *sarda*, *Sarda*, 35  
*saturnum*, *Cheilotrema*, 205  
*saurita*, *Coluber*, 309-10  
*sauritus*, *Thamnophis*, 260, 309-10  
*saxatilis*, *Roccus*, 29  
*sayanus*, *Aphredoderus*, 302  
*scabrata*, *Raja*, 169  
*scapularis*, *Gymnodactylus*, 60  
*Sceloporus cyanogenys*, 79  
   *magister magister*, 311  
   *merriami*, 313  
   *olivaceus*, 313  
   *squamosus*, 61  
*Schilbeodes mollis*, 302  
*schistosus*, *Helicops*, 182  
*schlegeli*, *Bothrops*, 56

- schmidtii*, *Eremias olivieri*, 276  
*schoepfii*, *Chilomycterus*, 298  
*scincoides*, *Tiliqua*, 180  
*Scincus*, 130  
*Scomber scombrus*, 170  
*Scomberomorus maculatus*, 88, 101  
*scombrus*, *Scomber*, 170  
*Scotophis calligaster*, 43  
    *confusus*, 41  
    *emoryi*, 41-43  
    *guttatus*, 41  
    *laetus*, 39-44  
    *vulpinus*, 41  
*sebae*, *Python*, 182  
*Sebastes marinus*, 97  
*Sebastodes*, 249  
*Selenaspis hertzbergi*, 13  
*semicinctus*, *Leptognathus*, 59  
*semicirculatus*, *Pomacanthus*, 89  
*Semotilus corporalis*, 300  
*septentrionalis*, *Eumeces septentrionalis*, 119  
*Seriola dumerili*, 35  
    *zonata*, 298  
*sexfasciatus*, *Caranx*, 170  
*sicculus*, *Lophotes*, 285  
    *Lophotus*, 286  
*Siciases carneus*, 244  
    *rubiginosus*, 244  
*sierrae*, *Triturus*, 78  
*Signalosa*, 297  
    *petenensis atchafalaya*, 297  
*simus*, *Bufo*, 56, 134-37  
*Siren*, 178  
    *intermedia intermedia*, 178  
*sirtalis*, *Coluber*, 309-10  
    *Eutaenia*, 258, 264  
    *Eutaenia sirtalis*, 264  
    *Thamnophis*, 257, 260, 262, 309-10  
    *Thamnophis sirtalis*, 314  
*Sistrurus catenatus*, 182  
*Smilisca baudinii*, 73  
*snyderi*, *Catostomus*, 299  
*socialis*, *Mallotus villosus*, 296  
*sonorensis*, *Catostomus*, 299  
*sonoriense*, *Kinosternon*, 50  
*Sparisoma*, 163  
    *abildgaardi*, 163  
*spathula*, *Polyodon*, 102, 252, 295  
*spelaus*, *Typhlotriton*, 178  
*Spelerpes ruber*, 76  
*Sphaerodactylus*, 212  
    *parkeri*, 211  
*Sparganium*, 302  
*Sphoeroides maculatus*, 298  
*Sphyryon lumpi*, 97-98  
*Squalus longimanus*, 244  
*squamosa*, *Sudis*, 296  
*squamosus*, *Sceloporus*, 61  
*Squilla*, 101-102  
    *squirella*, *Hyla*, 79  
*stabuliforis*, *Raja*, 169  
*stantoni*, *Eleutherodactylus*, 268-72  
*Staurotypus salvini*, 59  
*stejnegeri*, *Thamnophis*, 140  
    *Uta stansburiana*, 311  
*Stenorrhina freminvillei lactea*, 58  
*Sternoptyx*, 247  
*Sternoptyx*, 247-48  
    *diaphana*, 247  
*Stilbiscus*, 200  
*stilbius*, *Leuroglossus*, 86  
*Stizostedion vitreum*, 99  
*storoshi*, *Ernogrammus*, 291  
*striatus*, *Epicrates*, 182  
*Strongylocentrotus drobachinesis*, 176  
*subcarinata*, *Eutaenia*, 139  
    *Thamnophis*, 138  
    *Thamnophis subcarinata*, 138-39  
*subcarinatus*, *Thamnophis*, 139  
*suboculare*, *Bascanion*, 60  
*Sudis squamosa*, 296  
*suensoni*, *Chilorhinus*, 195, 197  
*sulcifrons*, *Anolis*, 56  
*sumichrasti*, *Thamnophis*, 139  
*susana*, *Eremias olivieri*, 276  
*swani*, *Bothragonus*, 102  
*sylvatica*, *Rana*, 224  
    *Rana sylvatica*, 183  
*Synanceja*, 208, 210  
    *horrida*, 210  
    *verrucosa*, 207  
*syncheilus*, *Catostomus*, 299  
*Synodus foetens*, 88  
*Tachysurus feliceps*, 210  
*Taenioconger*, 32, 34  
    *chapmani*, 33-34  
    *diguetti*, 33-34  
    *herrei*, 33-34  
    *naeoecepaues*, 32, 33-34  
*tahoensis*, *Catostomus*, 299-300  
*talismani*, *Oxygadus*, 153  
*Tantilla*, 242  
    *nigriceps nigriceps*, 242  
    *planiceps*, 242  
*tarahumaraensis*, *Eleutherodactylus*, 271  
*Tarentola*, 212  
    *mauretanica*, 212  
*taylori*, *Eumeces*, 314  
*Tephrosia*, 175  
*Terrapene carolina bauri*, 79  
    *carolina*, 312  
    *ornata*, 312, 314  
*terrestris*, *Bufo*, 78, 233  
    *Bufo terrestris*, 231  
*testaceus*, *Masticophis flagellum*, 182  
*tetrataenia*, *Eutaenia sirtalis*, 257-58, 260, 264  
    *Thamnophis ordinatus*, 264  
    *Thamnophis sirtalis*, 257-66  
*texana*, *Pseudemys floridana*, 314  
*Thalassoma*, 162  
*Thalerophis occidentalis praestans*, 60  
*Thallasia*, 96  
*Thamnophis*, 138  
    *cyrtopsis*, 139  
        *cyclides*, 139-40  
        *cyrtopsis*, 140  
        *postremus*, 140  
        *elegans vagrans*, 306  
        *eques*, 138-40  
        *cyrtopsis*, 140  
        *eques*, 139-40  
        *megalops*, 139-40

- macrostemma, 139  
 macrostemma, 139  
 megalops, 139-40  
 megalops, 139-40  
 ordinatus, 260, 310  
 infernalis, 260  
 parietalis, 306, 314  
 pickeringi, 54  
 tetrataenia, 264  
 ordinoides, 53  
 vagrans, 240  
 parietalis, 260, 264  
 sauritus, 260, 309-10  
 sirtalis, 257, 260, 262, 309-10  
 concinnus, 264  
 fitchi, 264, 265-66  
 infernalis, 257, 259-65  
 parietalis, 264  
 sackeni, 79  
 sirtalis, 314  
 tetrataenia, 257-66  
 stejnegeri, 140  
 subcarinata, 138  
 megalops, 138, 140  
 subcarinata, 139  
 subcarinatus, 139  
 sumichrasti, 139  
 praocularis, 59  
 thazard, Auxis, 88  
 Thunnus thynnus, 170  
 thynnus, Thunnus, 170  
 tigris, Cnemidophorus tigris, 311  
 Tiliqua, 180  
 scincoides, 180  
 tortugensis, Crotalus, 182  
 Toxopneustes pileolus, 176  
 Trachysaurus rugosus, 180  
 Tretanorhinus nigroluteus lateralis, 59  
 trichodon, Mugil, 96  
 tridactylum, Amphiuma, 45, 49  
 Triglops nybelli, 293  
 pingeli, 293  
 Trinectes maculatus fasciatus, 245  
 Tripriion, 74  
 triseriata, Pseudacris nigrita, 178-79, 240  
 Triturus, 218  
 sierrae, 78  
 viridescens, 76  
 louisianensis, 178  
 troosti, Pseudemys scripta, 314  
 Tropidodipsas, 52  
 carri, 52  
 fischeri, 52, 60  
 sartorii annulatus, 61  
 Tropidonotus collaris, 140  
 ordinatus eques, 140  
 infernalis, 260, 264  
 sirtalis parietalis, 260  
 Tropidurus peruvianus, 305  
 trutta, Arripis, 303  
 Salmo, 145, 190  
 tuberculosus, Phyllodactylus tuberculosus, 211  
 turcica, Lacerta, 311  
 turcicus, Hemidactylus turcicus, 311  
 turneri, Lycodes, 291  
 Typhlotriton spelaeus, 178  
 tyrannus, Brevoortia, 93, 298  
 umbrosus, Pareques acuminatus, 245-46  
 undulatus, Micropogon, 29, 101  
 Ungaliophis guatemalensis, 182  
 unicolor, Crotalus durissus, 182  
 unicuspis, Ichthyomyzon, 84  
 uniformis, Anolis humilis, 60  
 Upenus, 96  
 Urobatis, 277, 283  
 halleri, 278-79, 282-83  
 Uroplatus, 1  
 uropterus, Myrus, 33  
 Urosaurus ornatus linearis, 311  
 Uta, 312  
 stansburiana stejnegeri, 311  
 utahensis, Charina bottae, 307  
 vagrans, Thamnophis ordinoides, 240  
 Thamnophis elegans, 306  
 vahllei, Lycodes, 291  
 valliceps, Bufo, 78, 233  
 variegata, Bombina, 227  
 variegatus, Colenyx variegatus, 211  
 Cyprinodon, 176  
 vehiculum, Plethodon, 76  
 ventralis, Ophisaurus, 79  
 venusta, Emys, 58  
 verrucosa, Synanceja, 207  
 versicolor, Hyla, 71  
 Hyla versicolor, 71  
 Virginia fasciata, 60  
 viridescens, Diemictylus, 244  
 Triturus, 76  
 viridis, Crotalus viridis, 182  
 Dendroaspis, 182  
 Lacerta, 241  
 visoninus, Adelphicos quadrivirgatus, 58  
 vitreum, Stizostedion, 99  
 vittatus, Basiliscus, 80  
 vivipara, Lacerta, 241  
 vulpina, Elaphe vulpina, 309  
 vulpinus, Scotophis, 41  
 wehrlei, Plethodon, 76  
 welleri, Plethodon, 76  
 wigginsi, Catostomus, 299  
 williamsoni, Nodogymnus, 245  
 wislizeni, Crotaphytus wislizeni, 311  
 xanthometopon, Holacanthus, 89  
 xanthops, Odontoscion, 207  
 xanthurus, Leiostomus, 28-29  
 Xantusia, 114-18  
 arizonae, 180  
 henshawi, 180  
 riversiana, 180  
 vigilis, 114, 116, 118-19, 180, 224  
 Xiphias, 303  
 Xiphophorus, 304  
 Xyrichthys, 162-63  
 psittacus, 162-63  
 yonahlossee, Plethodon, 75-76  
 Yucca brevifolia, 115  
 Zapteryx exasperata, 278-79, 281  
 zonata, Seriola, 298

